10059456 Page 1 08/21/2002

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NEWS 11 Jun 10 PCTFULL has been reloaded
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NEWS 18 Aug 08 NTIS has been reloaded and enhanced
NEWS 19 Aug 09 JAPIO to be reloaded August 25, 2002
NEWS 20 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)
                 now available on STN
                IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21 Aug 19
NEWS 22 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded
NEWS EXPRESS February 1 CURRENT WINDOWS VERSION IS V6.0d,
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Structure attributes must be viewed using STN Express query preparation.

=> s 11 full FULL SEARCH INITIATED 13:03:26 FILE 'REGISTRY' FULL SCREEN SEARCH COMPLETED - 20061 TO ITERATE

100.0% PROCESSED 20061 ITERATIONS SEARCH TIME: 00.00.03

10 ANSWERS

10 SEA SSS FUL L1

=> d scan

10059456 Page 4 08/21/2002

L2 10 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 1H-Imidazol-2-amine, N-[2-bromo-6-chloro-4-(1-methylethyl)phenyl]-4,5dihydro-, monohydrobromide (9CI)
MF C12 H15 Br C1 N3 . Br H

$$\bigvee_{N}^{H} \bigvee_{Br}^{C1} \bigvee_{Pr-i}^{R}$$

• HBr

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

10 ANSWERS REGISTRY COPYRIGHT 2002 ACS 2-Imidazoline, 2-cumidine- (7CI, 9CI) C12 H17 N3 COM

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 10 ANSVERS REGISTRY COPYRIGHT 2002 ACS
IN 1H-Imidazol-2-anine, 4,5-dihydro-N-hydroxy-N-[3-(1-methylethyl)phenyl]-,
monohydrochloride (9CI)
MF C12 H17 N3 O . C1 H

• HCl

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 10 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 1H-Imidazol-2-amine, N-[2-bromo-6-chloro-4-(1-methylethyl)phenyl]-4,5dihydro- (9CI)
MF C12 H15 Br C1 N3
CI COM

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

10059456 Page 5 08/21/2002

L2 10 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Butanedicic acid, compd. with N-(4,5-dihydro-1H-imidazol-2-y1)-7-(1-methylethyl)-1H-indol-5-amine (1:1) (9CI)
MF C14 H18 N4 . C4 H6 O4

CM 1

CM 2

но2С- СН2- СН2- СО2Н

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

10 ANSWERS REGISTRY COPYRIGHT 2002 ACS
1H-Imidazol-2-amine, N-[2,6-bis(1-methylethyl)phenyl]-4,5-dihydro- (9CI)
C15 H23 N3

**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT'*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 10 ANSWERS REGISTRY COPYRIGHT 2002 ACS IN 2-Imidazoline, 2-cumidino-, monohydrochloride (8CI) MF C12 H17 N3 . C1 H

• HCl

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 10 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 1H-Indol-5-amine, N-(4,5-dihydro-1H-imidazol-2-y1)-7-(1-methylethyl)(9C1)
KC 1(4 H18 N4)
CI COM

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

10059456 Page 6 08/21/2002

L2 10 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN IH-Imidazol-2-amine, 4,5-dihydro-N-[2-methyl-6-(1-methylethyl)phenyl](9CI)
MF C13 H19 N3

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

- L2 10 ANSWERS REGISTRY COPYRIGHT 2002 ACS
 IN Benzenamine, N-2-imidazolidinylidene-2,6-bis(1-methylethyl)-,
 monohydrochloride (9CI)
 MF C15 H23 N3 . Cl H

● HCl

ALL ANSWERS HAVE BEEN SCANNED

10059456 Page 7 08/21/2002

=> fil caplus COST IN U.S. DOLLARS

SINCE FILE ENTRY 140.66 TOTAL SESSION

140.87

FULL ESTIMATED COST

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=> s 12 L3 12 L2

=> d ibib abs hitstr 1-12

10059456 Page 8 08/21/2002

L3 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER:
DOCUMENT NUMBER:
1156:320707
Three-Dimensional common-Feature hypotheses for octopamine agonist 2-(arylimino)imidazolidines
Hirashima, Akinori; Horimoto, Masakor Kuwano, Eiichi;
Taniquchi, Eijli Eto, Morifuse
Department of Applied Genetics and Pest Management,
Kyushu University: Paculty of Agriculture, Graduate School, Fukuoka, Higashi-ku, 812-6581, Japan
Bioorganic & Medicinal Chemistry (2001), Volume Date 2002, 10(1), 117-123
COEMS: BMCEEF; ISSN: 0968-0896
PUBLISHER:
DOCUMENT TYPE:
JOURNAL SCHOOL SC

DOCUMENT TYPE: LANGUAGE:

JUNGE: Journal
JUNGE: English
Three-dimensional pharmacophore hypotheses were built from a set of 10
octopamine (OA) agonist 2-(Arylimino)inidazolidines (AITs),
2-(Arylimino) thiazolidines (AITs) and 2-(Arylimino)axzolidines (AIOs).
OA agonist activities were detd. using the ademylate cyclase assay in
American cockroaches (P. americana). Annog the 10 common-featured models
generated by program Catalyst/HipHop, a hypothesis including a ring arom.
(RA), a pos. ionizable (PI) and three hydrophobic allph. (HpAI) features
was considered to be important in evaluating the OA-agonist activity.
Active OA agonist 2,6-Et2 AII mapped well onto all the RA, PI and HpAI
features of the hypothesis. On the other hand, less active compds. were
shown to be difficult to achieve the energetically favorable conformation
which is found in the active mols. in order to fit the 3-D common-feature
pharmacophore models. Taken together, 2,6-Et2-Ph and foramidine
structures are important as OA agonists. The present studies on OA
agonists demonstrate that a RA, a PI and three HpAI sites located on the
mol. seem to be essential for OA-agonist activity.
63346-74-7 359688-33-0
RL: BSU (Biological study)
(05AR for octopamine agonist (arylimino)imidazolidines)
63346-74-7 CAPLUS
IH-Imidazol-2-amine, N-(2,6-bis(1-methylethyl)phenyl)-4,5-dihydro- (9CI)
(CA INDEX NAME)

אסטיים -ט-כנ מסטיים -ט-ני מסטי

L3 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:596828 CAPLUS

135:222824

TITLE: 135:222824

AUTHOR(S): 136:22826

AUTHOR(S): Hirashima, Akinori, Eiraku, Tomohiko; Watanabe, Yasuyuki, Kuwano, Eiichi; Taniquchi, Eiji; Eto, Morifusa

CORFORATE SOURCE: Pest Management of Applied Genetics and Pest Management, Faculty of Agriculture, Graduate School, Kyushu University, Fukuoka, 812-851, Japan

SOURCE: Pest Management Science (2001), 57(8), 713-720

CODEN: PMSCFC; ISSN: 1526-498X

DOLUMENT TYPE: Journal

LANGUAGE: Longish

AB Some octopamine agonists were found to suppress in vitro biosynthesis of the calling pheromone of the Indian meal moth, Flodia interpunctella. Isolated pheromone-gland prepms. incorporated sodium [14(2)acetate at a linear rate for 3h when incubated with the pheromone biosynthesis activating neuropeptide (FEAN). This incorporation was dependent on the dose of PBAN (up to 0.5. mu.M.). Thin-layer chromatog. of a pheromone-gland ext. revealed quant. incorporation of radioactivity into a product exhibiting the same mobility as (2, E)-9,12-tetradecadienyl acctate, the main component of the calling pheromone of p. interpunctella. Tventy-seven octopamine agonists were initially screened using a calling behavior bioassay of female P interpunctella. Four derivs. with activity in the hanomolar range were identified which were, in order of decreasing pheromonotatic activity; 2-(2,6-diethylphenyllmino) thiazolidine > 2-(2,6-diethylphenyllmino) thiazolidine > 2-(2,6-diethylphenyllmino) thiazolidine > 2-(2,6-diethylphenyllmino) oxazolidine. These compds. also showed in vitro inhibitory activity in intracellular de novo pheromone biosynthesis. The results of the present study indicate that these derivs. could provide useful information in the characterization and differentiation of octopaminergic receptor types and subtypes.

IS 63346-74-78 53568-33-0P

RI: BGC (Biological activity or effector, except adverse); BSU (Biological

characterization and directed that subtypes:
63346-74-79 359668-33-0P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SFN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. and pheromonostatic activity of)
63346-74-7 CAPLUS
HI-Imidzacl-2-amine, N-[2,6-bis(1-methylethyl)phenyl]-4,5-dihydro- (9CI)
(CA INDEX NAME)

359668-33-0 CAPLUS
1H:Tmidazol-2-mine, 4,5-dihydro-N-[2-methyl-6-(1-methylethyl)phenyl](GCT) (CA INDEX NAME)

Examiner Anderson 703-605-1157

ANSWER 1 OF 12 CAPLUS COPYRIGHT 2002 ACS (Continued)

REFERENCE COUNT:

THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT 17

ANSWER 2 OF 12 CAPLUS COPYRIGHT 2002 ACS (Continued)

REFERENCE COUNT:

THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT 41

10059456 Page 9 08/21/2002

L3 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2002 ACS ACCESSION NUMBER: 2001:37784 CAPLUS DOCUMENT NUMBER: 134:231513 Synthesis, structure, a

134:231513
Synthesis, structure, and binding of some
2-imidazolines to rat brain alfa-l and
alfa-2-adrenergic receptors
Saczewski, F.; Kobierska, E.; Debowski, T.;
Charakchiewa-Minol, S.; Mokrosz, M.; Gdaniec, M.; AUTHOR (S) :

Charakeniewa-Hindi, J., Mondolf, Morak, E., Department of Chemical Technology of Drug and Organic Chemistry, Medical University of Gdansk, Pol. Archiv der Pharmazie (Weinhelm, Germany) (2000), 333(12), 425-430 CODEN: ARPMAS: ISSN: 0365-6233 Wiley-VCH Verlag GmbH Journal Foolish CORPORATE SOURCE:

333(12), 425-430
CODEN. ARPMAS, ISSN: 0365-6233
PUBLISHER: Wiley-VCH Verlag GmbH
DOCUMENT TYPE: Journal
Beglish
OTHER SOURCE(5): CASREACT 134:231513
OTHER SOURCE(5): CASREACT 134:231513
OTHER SOURCE(5): CASREACT 134:231513

N-benzyl-N-(4,5-dihydro-imidazol-2-yl)-O-methylhydroxylamine hydrochloride
were prepd. and their structure was detd. by IR and NMR spectroscopic data
as well as X-ray anal. of the inidazolinium aride salt of one of the
compds. Binding evaluation for both alpha.1- and alpha.2-adrenergic
receptors in rat brain prepns. of these compds. and previously described
alpha.hydroxy-2-aryliminoimidazolines 11a-d, N-(4,5-dihydroimidazol-2-yl)-1,3-2-oxodihydrobmenzimidazoles, 2-amino-N-(4,5-dihydroimidazol-2-yl)benzimidazoles, and N-(4,5-dihydroimidazol-1-yl)-indoles was performed.
Among the compds. tested, 2-[(2-amino-4,5-dichlorophenyl)iminojimidazolini
um chloride showed highest binding affinity to alpha.2-adrenoreceptors
[Ki = 30 nm).

330685-51-9
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL
(Biological study); PROC (Process)
(synthesis, structure, and binding of imidazolines to brain .alpha.1and .alpha.2-adrenergic receptors)

RN 330685-57-9 CAPLUS
N 340685-67-9 CAP

REFERENCE COUNT:

THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 5 OF 12
ACCESSION NUMBER:
DOCUMENT NUMBER:
2000:138409 CAPLUS
132:260196
Prediction of distribution coefficients from
structure. Comparison of calculated and experimental
data for various drugs
Tantili-Kakoulidou, A.; Panderi, I.; Piperaki, S.;
CORPORATE SOURCE:
Department of Pharmacy, University of Athens, Athens,
157 71, Greece
European Journal of Drug Metabolism and
Pharmacokinetics (1999), 24 (3), 205-212
COODEN: EDUPD2: ISSN: 0378-7966
Medecine et Hyglene
Journal

Pharmacokinetics (1999), 24(3), 200-212
CODEN: EXDPED: ISSN: 0378-7966

DOCUMENT TYPE: Medecine et Hygiene
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The efficiency of the program PrologD to predict distribution coeffs. (D)
at any pH and pairing ion concn. has been tested using exptl. logD values
for various drugs measured under std. conditions of buffers and ionic
strength. Clondine derivs., fluoroquinolones and .beta.-blockers were
included as particular pharmacol. classes within the testing data set.
Calcns. were performed using the three log? estn. options implemented in
the program. PrologD proved to be very efficient and can be of great
advantage in drug research. Prediction patterns and correlations between
exptl. and calcd. data indicate acceptable results for more than 80% of
the data. In addn., comparable studies using the different options
permitted suggestions for the more suitable logP estn. method in respect
of the particular classes of compds.

IT 63346-74-7
RL EPR (Biological process); BSU (Biological study, unclassified); PRP
(Properties); THU (Therapeutic use); BIOL (Biological study); PROC
(Process); USES (Uses)
(comparison of calcd. and exptl. data for various drugs in prediction
of distribution coeffs. from structure)

RN 63346-74-7 CAPUS
CN 1H-Imidazol-2-amine, N-[2,6-bis(1-methylethyl)phenyl]-4,5-dihydro- (9CI)

REFERENCE COUNT:

THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD, ALL CITATIONS AVAILABLE IN THE RE FORMAT

ACCESSION NUMBER: DOCUMENT NUMBER:

ANSWER 4 OF 12 CAPLUS COPYRIGHT 2002 ACS
SSION NUMBER:
MENT NUMBER:
132:330832
E: three-dimensional molecular field analyses of octopaminergic agonists and antagonists for the locust neuronal octopamine receptor class 3
Hirashima, A.; Nagata, T.; Pan, C.; Kuvano, E.;
Taniguchi, E.; Eto, M.
ORATE SOURCE: Graduate School, Division of Bioresource and Bioenvironmental Sciences, Kyushu University, Fukuoka, Japan

AUTHOR(5):

CORPORATE SOURCE:

Japan Journal of Molecular Graphics & Modelling (2000), Volume Date 1999, 17(3/4), 198-206 CODEN: JMCMFI; ISSN: 1093-3263 Elsevier Science Inc. Journal

MENT TYPE: Journal
SUAGE: English
The quant. structure-activity relationship (QSAR) of a set of 70
The quant. structure-activity relationship (QSAR) of a set of 70
octopaminergic agonists and 20 antagonists against octopamine receptor
class 3 (OAR3) in locust nervous tissue was analyzed by mol. field anal.
(MFA). MFA of these compds, evaluated effectively the energy between a
probe and a mol. model at a series of points defined by a rectangular
grid. Contour surfaces for the mol. fields are presented. These results
provide useful information in the characterization and differentiation of
octopaminergic receptor types and subtypes.
63346-74-7
RIL BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); BIOL (Biological study)
(three-dimensional mol. field analyses of octopaminergic agonists and
antagonists for locust neuronal octopamine receptor class 3)
63346-74-7 CAPLUS
IR-Imidazol-2-amine, N-{2,6-bis(1-methylethyl)phenyl}-4,5-dihydro- (9CI)
(CA INDEX NAME)

REFERENCE COUNT:

THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT 24

ANSWER 6 OF 12 CAPLUS COPYRIGHT 2002 ACS
SSSION NUMBER: 1997:669819 CAPLUS
MENT NUMBER: 127:274156

ACCESSION NUMBER: DOCUMENT NUMBER: TITLE: Neurotransmitter-receptors as targets for new

Neurotransmitter-receptors of survival insecticides insecticides Roeder, T.; Dyczkowski, C.; Gewecke, M. Zoologisches Insitut, Universitat Hamburg, Neurophysiologie, Hamburg, D-20146, Germany New Strategies in Locust Control (1997), 219-223. Editor(s): Krall, S.; Peveling, R.; Ba Diallo, D. Birkhaeuser: Basel, Switz.
CODEN: 65EDA4 AUTHOR (S): CORPORATE SOURCE:

SOURCE:

CODEN: 65EDA4

COMENT TYPE: CONFerence

LANGUAGE: English

AB The locust neuronal octopamine receptor is believed to be an ideal target
for highly specific insecticides. The authors characterized a no. of high
affinity agonists of this receptor subtype. Using structure-activity
relationships, the authors were able to optimize the structure of these
compds. in terms of their affinities. A variety of these compds. show a
high degree of specificity for insect octopamine receptors vs. vertebrate
adrenergic receptors. The high affinity together with the high degree of
specificity makes compds. such as the phenyliminoimidazolidines ideal
starting points for the development of new insecticides.

Starting points for the development of new insecticides.

163346-74-7, NC 20
RL: BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological
study); USES (USES)
(affinity for locust neuronal octopamine receptor)

RN 63346-74-7 CAPLUS

N-[2,6-bis(1-methylethyl)phenyl]-4,5-dihydro- (9CI)
(CA INDEX NAME)

10059456 Page 10 08/21/2002

L3 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER:
DOCUMENT NUMBER:
1997:594632 CAPLUS
127:262678
Preparation of novel indoles and benzothiazoles for cloned human alpha 2 receptors
Jeon, Yoon T., Gluchowski, Charles
SOURCE:
SURCE:
COEN: PIXXD2
Patent

DOCUMENT TYPE: LANGUAGE: Patent

LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION: T2 20000523 A 19990907 A 20000321 A 20001212 B1 20011016 A1 20020425 T2 20000523 JP 1997-531156 19970228 A 19990307 US 1997-926316 19970905 A 20000321 US 1999-345470 19990630 A 20001212 US 2000-492505 20000127 US 2001-965594 2010928 W 1997-US3173 W 19970228 US 1997-926316 A1 19970228 US 1997-926316 A1 19970228 US 1997-926316 A1 19970630 US 2000-492505 A1 20000107 US 2000-692620 A1 20001017 US 2000-692620 A1 20001017 us 2002049239 PRIORITY APPLN. INFO.:

OTHER SOURCE(S):

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

L3 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2002 ACS (Continued)

HO2C-CH2-CH2-CO2H

L3 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2002 ACS (Continued)
useful for lowering intraocular pressure, for treating presbyopia,
migraine, hypertension, alc. withdrawal, drug addiction, rheumatoid
arthritis, ischemic pain. spasticity, diarchea, nasal congestion, urinary
incontinence as well as for use as analgesics, sedatives, anesthetics,
cognition enhances and ocular vasoconstriction agents, were prepd. Thus,
reaction of 7-bromo-5-aminoindole with 2-imidacoline-2-sulfonic acid (ISA)
afforded 461 [RI-R5 = H; R6 = Br; R7-R9 = H; X = N) which showed pEC50
of 9, 36 at alpha 2 ceceptor.

IT 185204-74-7 PS204-73-89
RE: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); SPN (Synthetic preparation); TRU (Therapeutic use);
BIOL (Biological study); PREF (Preparation); USES (Uses)
(prepn. of novel indoles and benzothiazoles for cloned human alpha 2
receptors)

RN 196204-74-7 CAPLUS
CN 1H-Indol-5-amine, N-{4,5-dihydro-1H-imidazol-2-yl}-7-(1-methylethyl)(9C1) (CA INDEX NAME)

196204-75-8 CAPLUS Butanedioic acid, compd. with N-(4,5-dihydro-lH-imidazol-2-yl)-7-{1-methylethyl}-lH-indol-5-amine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 196204-74-7 CMF C14 H18 N4

CM 2

CRN 110-15-6 CMF C4 H6 O4

ACCESSION NUMBER: DOCUMENT NUMBER: TITLE:

ANSWER 8 OF 12 CAPLUS COPYRIGHT 2002 ACS
ESSION NUMBER:
UMENT NUMBER:
LE:
CENTRY OF PARTMACOLOGY OF THE OCCUPATION OCCUPATIO AUTHOR(S): CORPORATE SOURCE: SOURCE:

PUBLISHER: DOCUMENT TYPE: LANGUAGE:

CODEN: BJPCEN; ISSN: 0007-1188

INSER: Stockton

MENT TYPE: Journal

INAGE: English

The present study characterized highly effective agonists from different classes of compds. for the neuronal octopamine receptor (OAR3) of the migratory locust (Lousca migratoria L.). Biogenic amines and phenyliationalidarolidines (PIIs) were employed for the study of structure-activity relationships. The highest affinity PIIs were predominantly those with the substitutions at the positions 2 and 4 of the phenolic ring (e.g. NC 7, KI = 0.3 nM, NGA, KI = 0.81 nM). Substitutions at these positions always had pos. effectives on the affinity of the resp. as these positions always had pos. effectives on the affinity. At the position one of the phenolic ring, heterocyclic substituents are preferred. Some PIIs had a more than 30 times higher affinity for OARs than for alpha.-adrenoceptors which are the vertebrate homologues of the insect octopamine receptors. The only non-PII with subnanomolar affinity was the aminooxaziline deriv. AC 6 (KI = 0.92 nM). A variety of substances with known insecticidal activity such as chlordimeform, demethylchlordimeform, amitraz or AC 6 had high affinity for the locust neuronal octopamine receptor.

S346-74-7, NC 20

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PPF (Properties); BIOL (Biological study) (structure-activity relationship of agonists for locust neuronal octopamine receptor)

63346-74-7 AC 20:

H: Indiazol-2-amine, N-[2,6-bis(1-methylethyl)phenyl]-4,5-dihydro- (9CI) (CA INDEX NAME)

10059456 Page 11 08/21/2002

L3 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2002 ACS ACCESSION NUMBER: 1989:95240 CAPLUS DOCUMENT NUMBER: 110:95240 CAPLUS PREPARATION OF PREPARATION

110:95240
Preparation of 2-(phenylimino)imidazolidines as .alpha.1-adenergic agonists .Esser. Frant; Staehle, Helmut; Koeppe, Harbert; Speck, Georgy Mierau, Joachims Pichler, Ludwigs Lehr, Erich Boehringer Ingelheim K.-G., Fed. Rep. Ger. Offen., 7 pp.
CODEN: GWXXEX

PATENT ASSIGNEE(S): SOURCE:

DOCUMENT TYPE: LANGUAGE:

LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PATENT NO. DE 3712385 OTHER SOURCE(S): GI

APPLICATION NO. DATE KIND DATE

1 19881027 DE 1987-3712385 19870411 CASREACT 110:95240; MARPAT 110:95240

INVENTOR(S):

$$R^3$$
 N
 N
 N
 N
 N

The title compds. [I, Rl, R2 = F, Cl, Br, iodo; R3 = (substituted) C1-4 alkyl] and pharmaceutically acceptable salts were prepd. as CNS agents and cyto- and cardioprotectants. KSCN in acetone was treated with PhCOCl at 15.degree. and 2-chloro-4-isopropylaniline was added. The mixt. was refluxed 3.25 h to give 70.5% (2-chloro-4-isopropylphenyl)thiourea. The latter was sequentially refluxed with MeI in MeOH, refluxed with HXNH2CHZNHZ1 in MeOH, stirred with 5N NaOH, and treated with Br in CHCI3 at 0-8.degree. to give 2-(2-chloro-4-isopropylphenylimino)imidazolidine.HB r. The latter at 1 mg/kg in mice increased survival in a hypoxia screen from 401 (controls) to 701.

119955-15-09

RL: SNN (Synthetic preparation); PREP (Preparation)
(prepn. of, as CNS agent and cardio- and cytoprotectant)
119955-15-0 CAPLUS

1H-Imidazol-2-amine, N-[2-bromo-6-chloro-4-(1-methylethyl)phenyl]-4,5-dihydro-, monohydrobromide (9CI) (CA INDEX NAME)

L3 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1985:593431 CAPLUS
DOCUMENT NUMBER: 103:193431
TITLE: Phenyliminoimidazolidines. Characterization of a class of potent agonizts of octopamine-sensitive adenylate cyclase and their use in understanding the pharmacology of octopamine receptors

AUTHOR(S): Nathanson, James A.
CORPORATE SOURCE: New Neurol., Harvard Med. Sch., Boston, MA, 02114, USA
SOURCE: NoPMA3; ISSN: 0026-895X
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Approx. 30 substituted phenyliminoimidazolidines (PII) were examd. for agonist and antagonist effects on the highly enriched and specific octopamine (0)-sensitive adenylate cyclase (AC) present in the firefly light organ, as well as on ACs present in other invertebrate and vertebrate tissues. Several derivs. were extremely active and some had potencies exceeding those of any previously described agonists of O-sensitive AC. Stimulation by the potent PIIs was reversible, nonadditive to that caused by O, and could be antagonized by antagonists such as cyproheptadine, phentolamine, and propraelol. The inhibitory counts. agreed well with those for inhibiting O stimulation. Certain PII derivs, acted as partial agonists and some as antagonists of O stimulation. Structure-activity relationships revealed, among other things, that short-chain alkyl substitution in the 2- and 6-Phe positions enhanced activity, as did further substitution of 4-halo, 4-Me, or 4-hydroxy substituents. 4-Amino or N-alkyl substitution decreased activity. Structurally related benzylimidazoline derivs. such as tolazoline and naphazoline were partial O agonists, generally less active than the PIIs. Comparison, in 3 invertebrate species, of the effects of the PIIs and 2 other chem. classes of O agonists, demonstrated clearcut differences in species responsivenes. Other comparative studies revealed that the agonist activity of the potent PIIs was specific for tissues conts, an O-sensitive AC, ACs activated by depamine or by .beta.1- or .alpha.2-adrenergic receptors. These

L3 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2002 ACS (Continued)

• нв

118854-98-1P
RL: SPN (Synthetic preparation), PREP (Preparation)
(prepn. of, as CNS agent, cyto- and cardioprotectant)
118854-98-1 CAPLUS
1H-Imidazo1-2-amine, N-[2-bromo-6-chloro-4-(1-methylethyl)phenyl]-4,5dihydro- (9CI) (CA INDEX NAME)

L3 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2002 ACS (Continued)

10059456 Page 12 08/21/2002

L3 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER:
DOCUMENT NUMBER:
197;447931 CAPLUS
87:47931
Structure-activity relations and problems related to the mechanism of action of clonidine
ROUGER, Brunon Leclerc, Geract Vermuth,
Camille-Georges, Miesch, Francois, Schwartz, Jean
Fac. Pharm., Univ. Louis-Pasteur, Strasbourg, Fr.
3. Pharmacol. (1977), 8(1), 95-106
CODEN: JNPHAG
JOURNAI
DOCUMENT TYPE:

DOCUMENT TYPE: LANGUAGE: GI

All 26 clonidine analogs (I) studied showed peripheral
.alpha.-sympathomimetic activity, with IPS 56 (I) R = 2,3-dichloro)
.alpha.-sympathomimetic activity, with IPS 56 (I) R = 2,3-dichloro)
.15327-44-31 having the greatest hypertensive effect in denedullated rats.
The results correlated with Es (steric const.) and F (sum of the field
effect of the substituents) of the Hansch equation (1971). No such
correlation was obsd. for hypotensive activity in intact rats. Compds.
which had hypotensive activity also had high, alpha.-sympathomimetic
activity, local anesthetic activity (rabbit cornea), and similar
lipophilicity. However, the results were not sufficient to conclude that
.alpha.-adrenergic mechanisms are involved in the hypotensive effects of
clonidine and its analogs.
63346-74-7
RLI: BAC (Biological activity or effector, except adverse); BIOL
(Biological study)
(hypotensive and .alpha.-sympathomimetic activity of)
63346-74-7 CAPLUS
IH-Imidazol-2-amine, N-[2,6-bis(1-methylethyl)phenyl]-4,5-dihydro- (9CI)
(CA INDEX NAME)

L3 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2002 ACS (Continued)

L3 ANSWER 12 OF 12
ACCESSION NUMBER:
DOCUMENT NUMBER:
1976:455532 CAPLUS
1976:455532 CAPLUS
85:56532
CLonidine and related analogues. Quantitative correlations
Rouct, Brunor Leclerc, Gerard, Wermuth, Camille G., Miesch, Francois; Schwartz, Jean
Fac. Pharm., Univ. Louis Pasteur, Strasbourg, Fr.
COMPONENT TYPE.

ACCEPTION TYPE.

Journal English

DOCUMENT TYPE: LANGUAGE: GI

A series of 22 derivs. of clonidine-HCl (I) [4205-91-8] were prepd. by the cyclization reaction of ethylenediamine with an S-methylisothiourcnium salt deriv. and the main physicochem. parameters (log P, .DELTA.RM, pKa) detd. Quant. correlations between peripheral .alpha.-mimetic action (pithed rats) and physicochem. parameters pointed out the crit. role of the steric effect of ortho substituents. Attempted quant. correlations between physicochem. parameters and central hypotensive activity were unsuccessful. The mechanism of action of I is discussed.

59465-43-99
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and blood pressure response to)
59465-43-9 CAPLUS
Benzenamine, N-2-imidazolidinylidene-2,6-bis(1-methylethyl)-, monohydrochloride (SCI) (CA INDEX NAME)

• HCl

10059456 Page 13 08/21/2002

=> log y COST IN U.S. DOLLARS FULL ESTIMATED COST	SINCE FILE ENTRY 53.06	TOTAL SESSION 193.93
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-7.43	-7.43

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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 3 Apr 09
                 ZDB will be removed from STN
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NEWS 5 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
                 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 6 Apr 22
NEWS 7 Apr 22 BIOSIS Gene Names now available in TOXCENTER
NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available
NEWS 9 Jun 03 New e-mail delivery for search results now available
NEWS 10 Jun 10 MEDLINE Reload
NEWS 11 Jun 10 PCTFULL has been reloaded
NEWS 12 Jul 02 FOREGE no longer contains STANDARDS file segment
NEWS 13 Jul 22 USAN to be reloaded July 28, 2002;
                 saved answer sets no longer valid
                 Enhanced polymer searching in REGISTRY
NEWS 14 Jul 29
                 NETFIRST to be removed from STN
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                 CANCERLIT reload
 NEWS 16 Aug 08
         Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN
 NEWS 17
 NEWS 18 Aug 08 NTIS has been reloaded and enhanced
                 JAPIO to be reloaded August 25, 2002
 NEWS 19 Aug 09
                 Aquatic Toxicity Information Retrieval (AQUIRE)
 NEWS 20 Aug 19
                 now available on STN
                 IFIPAT, IFICDB, and IFIUDB have been reloaded
 NEWS 21 Aug 19
 NEWS 22 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded
 NEWS EXPRESS February 1 CURRENT WINDOWS VERSION IS V6.0d,
              CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
              AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
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=> fil reg
COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 0.21 0.21

FULL ESTIMATED COST

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TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

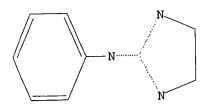
Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details: http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> Uploading 10058456.str

L1 STRUCTURE UPLOADED

=> d L1 HAS NO ANSWERS L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 11 SAMPLE SEARCH INITIATED 12:12:36 FILE 'REGISTRY' SAMPLE SCREEN SEARCH COMPLETED - 990 TO ITERATE

100.0% PROCESSED 990 ITERATIONS INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED) SEARCH TIME: 00.00.01

50 ANSWERS

10059456 Page 3 08/21/2002

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 17913 TO 21687
PROJECTED ANSWERS: 4943 TO 7017

T.2 50 SEA SSS SAM L1

=> s 11 full FULL SEARCH INITIATED 12:12:40 FILE 'REGISTRY' FULL SCREEN SEARCH COMPLETED - 20061 TO ITERATE

100.0% PROCESSED 20061 ITERATIONS 5848 ANSWERS SEARCH TIME: 00.00.02

L3 5848 SEA SSS FUL L1

=> fil caplus
COST IN U.S. DOLLARS

SINCE FILE
ENTRY
SESSION
140.28
140.49

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=> s 13 L4 9033 L3

=> fil reg
COST IN U.S. DOLLARS

SINCE FILE
ENTRY
SESSION
0.40
140.89

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STRUCTURE FILE UPDATES: 20 AUG 2002 HIGHEST RN 444542-98-7 DICTIONARY FILE UPDATES: 20 AUG 2002 HIGHEST RN 444542-98-7

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

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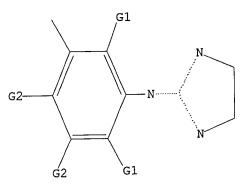
Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details: http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> Uploading 10058456.str

L5 STRUCTURE UPLOADED

=> d L5 HAS NO ANSWERS L5 STR



G1 H, X, O, C G2 C, H, X

Structure attributes must be viewed using STN Express query preparation.

=> s 15 subset=13 full FULL SUBSET SEARCH INITIATED 12:15:46 FILE 'REGISTRY' FULL SUBSET SCREEN SEARCH COMPLETED - 5848 TO ITERATE

100.0% PROCESSED 5848 ITERATIONS SEARCH TIME: 00.00.01

3794 ANSWERS

L6 3794 SEA SUB=L3 SSS FUL L5

=> Uploading 10058456.str

L7 STRUCTURE UPLOADED

=> d L7 HAS NO ANSWERS L7 STR

G1 H, X, O, C G2 C, H, X

Structure attributes must be viewed using STN Express query preparation.

=> s 17 subset=15 full
L5 MAY NOT BE USED HERE
The L-number must have been created by a search in this file. To see all L-numbers defined in this session, enter DISPLAY HISTORY at an arrow prompt (=>). For additional information on subset searching in this file, enter HELP SUBSET.
ENTER SUBSET L# OR (END):6
6 IS NOT A VALID L#
L-numbers must be in the range L1-L999.
ENTER SUBSET L# OR (END):16
FULL SUBSET SEARCH INITIATED 12:17:26 FILE 'REGISTRY'
FULL SUBSET SCREEN SEARCH COMPLETED - 3794 TO ITERATE

100.0% PROCESSED 3794 ITERATIONS SEARCH TIME: 00.00.01

1495 ANSWERS

L8 1495 SEA SUB=L6 SSS FUL L7

=> fil caplus
COST IN U.S. DOLLARS

ENTRY
SESSION
FULL ESTIMATED COST

SINCE FILE
ENTRY
SESSION
69.14
210.03

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=> s 18 L9 7548 L8

=> fil reg
COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE TOTAL ENTRY SESSION 1.19 211.22

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TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

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Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details: http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

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L10 STRUCTURE UPLOADED

=> d L10 HAS NO ANSWERS L10 STF

Structure attributes must be viewed using STN Express query preparation.

=> s 110 subset=18 full FULL SUBSET SEARCH INITIATED 12:20:03 FILE 'REGISTRY' FULL SUBSET SCREEN SEARCH COMPLETED - 1495 TO ITERATE

100.0% PROCESSED 1495 ITERATIONS

218 ANSWERS

SEARCH TIME: 00.00.01

G2 C, H, X

L11 218 SEA SUB=L8 SSS FUL L10

=> fil caplus COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 33.43 244.65

FULL ESTIMATED COST

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FILE COVERS 1907 - 21 Aug 2002 VOL 137 ISS 8 FILE LAST UPDATED: 20 Aug 2002 (20020820/ED)

This file contains CAS Registry Numbers for easy and accurate

10059456 Page 8 08/21/2002

substance identification.

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=> s 111 L12 328 L11

=> s l12 and urinary 107190 URINARY L13 2 L12 AND URINARY

=> d ibib abs hitstr 1-2

10059456 Page 9 08/21/2002

DOCUMENT NUMBER: TITLE:

3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2002 ACS
CESSION NUMBER: 1997:318325 CAPLUS
CUMENT NUMBER: 127:13229
The peripheral action of clonidine analog ST-91:
involvement of atrial natriuretic factor
involvement of atrial natriuretic factor
Gutkowska, Jolanta, Mukaddam-Daher, Suhayla; Tremblay,
Johanne

AUTHOR (5):

Gutkowska, Jolantal Mukaduam-Danty, Centre Laboratory Cardiovascular Biochemistry, Centre Laboratory Cardiovascular Biochemistry, Centre Recherche Hotel-Dieu Montreal, Universite Montreal, Montreal, QC, H2W 178, Can.
Journal of Pharmacology and Experimental Therapeutics (1997), 281(2), 670-676
CODEN: JPETAB: ISSN: 0022-3565
Williams 4 Wilkins
Journal CORPORATE SOURCE:

SOURCE: (1997), 281(2), 670-676

CODEN: JPETAB: ISSN: 0022-3565

PUBLISHER: Villiams & Wilkins

DOCUMENT TYPE: Journal

LANGUAGE: English

AB It is generally thought that the cardiovascular and renal effects of clonidine, an alpha-2 adrenergic agonist, are mediated by central clonidine, an alpha-2 adrenergic agonist, are mediated by central mechanisms. Our previous work has shown that diuresis and natriuresis mechanisms. Our previous work has shown that diversis and natriuresis above to a strain antiversit of actor (ANF). Because clonidine has been release of atrial natriuretic factor (ANF). Because clonidine has been shown to have peripheral actions the objective of the present study was to det. whether ANF is also involved in these actions. Studies were performed with use of a structural clonidine analog strain study was to not cross the blood-brain barrier. I.v. injection of various doses (0-250 not cross the blood-brain barrier. I.v. injection of various doses (0-250 not cross the blood-brain barrier. I.v. injection of various doses (0-250 not cross the blood-brain barrier. I.v. injection of various doses (0-250 not cross the blood-brain barrier. I.v. injection of various doses (0-250 not cross the blood-brain barrier. I.v. injection of various doses (0-250 not cross the blood-brain barrier. I.v. injection of various doses (0-250 not cross the blood-brain barrier. I.v. injection of various doses (0-250 not cross the blood-brain barrier. I.v. injection of various doses (0-250 not cross the blood-brain barrier. I.v. injection of various doses (0-250 not cross the blood-brain barrier. I.v. injection of various doses (0-250 not cross the blood-brain barrier. I.v. injection of various doses (0-250 not cross the blood-brain barrier. I.v. injection of various doses (0-250 not cross the blood-brain barrier. I.v. injection of various doses (0-250 not cross the blood-brain barrier. I.v. injection of south interessed in urinary cross of strain interessed by signicant increases in urinary cross the brood of produced do

4749-61-5, ST-91
RI: BAC (Biological activity or effector, except adverse); BSU (Biological Study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(peripheral action of clonidine analog ST-91: involvement of atrial natriuretic factor)
4749-61-5 CAPLUS
HI-Inidazol-2-amine, N-(2,6-diethylphenyl)-4,5-dihydro-, monohydrochloride (9CI) (CA INDEX NAME)

L13 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS ACCESSION NUMBER: 1990:1110 CAPLUS DOCUMENT NUMBER: 112:1110 TITLE: .alpha.2-Adrenergic re

AUTHOR(5): CORPORATE SOURCE:

SOURCE:

DOCUMENT TYPE:

ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS

BSSION NUMBER: 1990:1110 CAPLUS

UNENT NUMBER: 112:1110

LE: alpha.2-Adrenergic receptors and the sodium/hydrogen in on exchanger in the intestinal epithelial cell line, HT-29

HOR(S): Cantiello, Horacio F.; Lanier, Stephen M. Assaachusetts Gen. Hosp., Harvard Med. Sch., Boston, MA, 02114, USA

MCE: J. Biol. Chem. (1999), 264(27), 16000-7

CODEN: JBCHA3; ISSN: 0021-9258

JOURNAI TYPE: Journal

GUAGE: English

The effect of .alpha.2-adrenergic receptors (.alpha.2-AR) activation on basal and stimulated Na+/H+ exchange was studied in spithelial cells isolated from human colon (HT-29 adenocarcinoma cells). Na+/H+ exchange ester 2,7-biscarboxychtyl-5(6)carboxyfluorescein) and 22Na+ uptake. HT-29 cells expressed an amiloride-sensitive Na+/H+ exchanger that was activated by redn. of intracellular pH (pHi) to 6.0 but was quescent at a physiol. by Interval and Intracellular pH (pHi) to 6.0 but was quescent at a physiol. by Interval and Intracellular pH (pHi) to 6.0 but was quescent at a physiol. amiloride (Ki.apprx.2.1 mb.M). Although epinephrine and the selective amiloride (Ki.apprx.2.1 mb.M). Although epinephrine and the selective alpha.2-AR agonists clonidine and UK-1404 inhibited forskolin-activated adenyly cyclase, these compds. did not alter basal Na+/H+ exchange. adenyly cyclase, these compds. did not alter basal Na+/H+ exchange. Stimulated Na+/H+ exchange vas similarity unaffected by epinephrine. In Stimulated Na+/H+ exchange vas similarity unaffected by epinephrine. In contrast timulated Na+/H+ exchanger activity was completely inhibited by the selective .alpha.2-agonists clonidine, UK-14304, and quanabenz. This inhibitory effect was not blocked by the .alpha.2-AR antagonist rawolscine, and it is likely due to a direct interaction with the exchanger mol. itself. Structure/activity studies indicated that the compds. inhibiting exchanger activity possess either an imidazoline or quandininum moiety. Although these mols. bear structural similarity to abservations in other ti

Examiner Anderson 703-605-1157

L13 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2002 ACS (Continued)

• HCl

L13 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS (Continued)

10059456 Page 10 08/21/2002

=> FIL STNGUIDE COST IN U.S. DOLLARS FULL ESTIMATED COST	SINCE FILE ENTRY 11.59	TOTAL SESSION 256.24
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AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION. LAST RELOADED: Aug 16, 2002 (20020816/UP).

=> fil reg COST IN U.S. DOLLARS FULL ESTIMATED COST	SINCE FILE ENTRY 0.06	TOTAL SESSION 256.30
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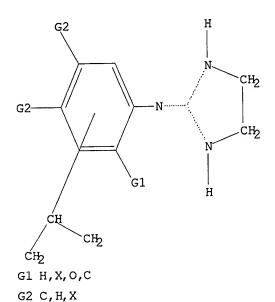
Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details: http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> Uploading 10058456.str

L14 STRUCTURE UPLOADED

=> d L14 HAS NO ANSWERS L14 STR

10059456 Page 11 08/21/2002



Structure attributes must be viewed using STN Express query preparation.

=> s 114 subset=18 full FULL SUBSET SEARCH INITIATED 12:23:38 FILE 'REGISTRY' FULL SUBSET SCREEN SEARCH COMPLETED - 1495 TO ITERATE

100.0% PROCESSED 1495 ITERATIONS

4 ANSWERS

SEARCH TIME: 00.00.01

L15 4 SEA SUB=L8 SSS FUL L14

=> d scan

10059456 Page 12 08/21/2002

L15 4 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN IN-Imidazol-2-amine, 4,5-dihydro-N-[2-methyl-6-(1-methylethyl)phenyl](SCI)
MF C13 H19 N3

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L15 4 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 1H-Imidazol-2-amine, N-[2,6-bis(1-methylethyl)phenyl]-4,5-dihydro- (9CI)
MF C15 H23 N3

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L15 4 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Benzenamine, N-2-imidazolidinylidene-2,6-bis(1-methylethyl)-,
monohydrochloride (9CI)
MF C15 H23 N3 . C1 H

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L15 4 AMSWERS REGISTRY COPYRIGHT 2002 ACS
IN 1H-Imidazol-2-amine, 4,5-dihydro-N-hydroxy-N-[3-(1-methylethyl)phenyl]-,
monohydrochloride (9CI)
MF C12 H17 N3 O . C1 H

ALL ANSWERS HAVE BEEN SCANNED

10059456 Page 13 08/21/2002

=> fil caplus COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	34.19	290.49
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CA SUBSCRIBER PRICE	0.00	-1.24

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=> s 115 L16 10 L15

=> d ibib abs hitstr 1-10

10059456 Page 14 08/21/2002

L16 ANSWER 1 OF 10
ACCESSION NUMBER:
DOCUMENT NUMBER:
TITLE:
AUTHOR(S):

CORPORATE SOURCE:

CORPORATE SOURCE:

SOURCE:

DESCRIPTION OF THE SCHOOL AND A SCHOOL AN

PUBLISHER: DOCUMENT TYPE: Elsevier Science Ltd.

MENT TYPE: Journal MAGE: English Three-dimensional pharmacophore hypotheses were built from a set of 10 octopamine (OA) agonist 2-(Arylimino)imidazolidines (AIIs), 2-(Arylimino)thiazolidines (AIIs), OA agonist 2-(Arylimino) oxazolidines (AIOs). OA agonist activities were detd. using the ademylate cyclare assay in American cockroaches (P. americana). Among the 10 common-featured models generated by program Catalyst/HipHop, a hypothesis including a ring arom. (RA), a pos. ionizable (PI) and three hydrophobic aliph. (HpAI) features was considered to be important in evaluating the OA-agonist activity. Active OA agonist 2-6-Et2 AII mapped well onto all the RA, PI and HpAI features of the hypothesis. On the other hand, less active compds. were shown to be difficult to achieve the energetically foverable conformation which is found in the active mols. in order to fit the 3-D common-feature pharmacophore models. Taken together, 2,6-Et2-Ph and foramidine structures are important as OA agonists. The present studies on OA agonist demonstrate that a RA, a PI and three HpAI sites located on the mol. seem to be essential for CA-agonist activity.

63346-74-7 539568-33-0
RL: BSU (Biological study, unclassified), PRP (Properties), BIOL (Biological study)

(GSAR for octopamine agonist (arylimino)imidazolidines)

63346-74-7 CAPLUS
IH-Imidazol-2-amine, N-[2,6-bis(1-methylethyl)phenyl]-4,5-dihydro- (9CI)

359668-33-0 CAPLUS IH-Imidazol-2-amine, 4,5-dihydro-N-[2-methyl-6-(1-methylethyl)phenyl]-(9C1) (CA INDEX NAME)

L16 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:596828 CAPLUS

DOCUMENT NUMBER: 135:222824

Identification of novel inhibitors of calling and in vitro [14C] acetate incorporation by pheromone glands of Plodia interpunctella of Plodia interpunctella.

AUTHOR(S): Hirashima, Akinori, Eiraku, Tomohikor, Watanabe, Yasuyuki, Kuwano, Eiichi, Taniguchi, Eiji, Eto, Morifusa

CORPORATE SOURCE: Department of Applied Genetics and Pest Management, Faculty of Agriculture, Graduate School, Kyushu University, Fukuoka, 812-8581, Japan

SOURCE: Pest Management Science (2001), 57(8), 713-720

CODEN, PMSCFC, 15SN: 1526-498X

John Wiley & Sons Ltd. 58599. P47 (e-journal)

LANGUAGE: John Wiley & Sons Ltd. 58599. P47 (e-journal)

LANGUAGE: Language Source of the Indian meal moth, Plodia interpunctella. Isolated pheromone-gland prepan. incorporated sodium [14C] acetate at a linear rate for 3h when incubated with the pheromone biosynthesis activating neuropeptide (PBAN). This incorporation was dependent on the dose of PBAN (up to 0.5. mu.H). Thin-layer chromatog, of a pheromone-gland ext. revealed quant. incorporation of radioactivity into a product exhibiting the same mobility as (2, 8)-9,12-tetradecadienyl acetate, the main component of the calling pheromone of P. interpunctella. Twenty-seven cotopamine agonists were initially screened using a calling behavior bioassay of female P interpunctella. Four derivs. with activity in the nanomolar range were identified which were, in order of decreasing pheromonostatic activity: 2-(2,6-diethylphenylimino) oxazolidine > 2-(2,6-diethylphenylimino) oxazolidine.

These compds. also showed in vitro inhibitory activity in intracellular de novo pheromone biosynthesis. The results of the present study indicate that these derivs. could provide useful information in the characterization and differentiation of octopaminergic receptor types and subtypes.

II 63346-74-79 353668-33-0P

RI: BRC (Biological activity or effector, except adverse); BSU (Biological

characterization and differentiation of Octobalantesylo technic subtypes.

63346-74-79 359668-33-0P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(prepn. and pheromonostatic activity of)

63346-74-7 CAPLUS

HI-ImidzaO1-2-amine, N-[2,6-bis(1-methylethyl)phenyl]-4,5-dihydro- (9CI)

(CA INDEX NAME)

1H-Imidazol-2-amine, 4,5-dihydro-N-{2-methyl-6-(1-methylethyl)phenyl}-(9CI) (CA INDEX NAME)

L16 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2002 ACS

REFERENCE COUNT:

THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2002 ACS (Continued)

REFERENCE COUNT:

THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

10059456 Page 15 08/21/2002

L16 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2002 ACS ACCESSION NUMBER: 2001:37784 CAPLUS DOCUMENT NUMBER: 134:231513

134:231513
Synthesis, structure, and binding of some
2-imidazolines to rat brain alfa-1 and
alfa-2-adrenergic receptors
Saczewski, F.; Robierska, E.; Debowski, T.;
Charakchiewa-Minol, S.; Mokrosz, M.; Gdaniec, M.; AUTHOR (5):

CORPORATE SOURCE:

PUBLISHER: DOCUMENT TYPE: LANGUAGE: OTHER SOURCE(S):

INDUK(S):

Saczewski, F., Kobierska, E., Debowski, T.,
Charakchiewa-Minol, S., Mokrozz, M., Gdaniec, M.,
Nowak, E.
Department of Chemical Technology of Drug and Organic
Chemistry, Medical University of Gdansk, Pol.
Archiv der Pharmazie (Weinheim, Germany) (2000),
333(12), 425-430
CODEN: ARPMAS; ISSN: 0365-6233
MISHER:
MINENT TYPE:
JOURNAI
UNENT TYPE:
JOURNAI
BER SOURCE(S):
CASREACT 134:231513
A series of novel 2-[12-aminophenyl]minolimidazolinium salts and
N-benzyl-M-(4,5-dihydro-imidazol-2-yl)-o-methylhydroxylamine hydrochloride
were prepd. and their structure was detd. by IR and NMR spectroscopic data
as vell as X-ray anal. of the imidazolinium azide salt of one of the
compds. Binding evaluation for both alpha.1- and .alpha.2-adrenergic
receptors in rat brain prepns. of these compds. and previously described
.alpha.-hydroxy-2-arylaminoimidazolines 11a-d, N-(4,5-dihydroimidazol-2-yl)benzimidazoles, and N-(4,5-dihydroimidazol-2-yl)benzimidazoles, and N-(4,5-dihydroimidazol-2-yl)benzimidazoles, and N-(4,5-dihydroimidazol-2-yl)shonidazoles, and N-(4,5-dihydroimida ΙŤ

3J0685-57-9
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
[synthesis, structure, and binding of imidazolines to brain .alpha.l-and .alpha.2-adrenergic receptors)
3J0685-57-9
CAPLUS

JJU083-7-7 CAPLUS IH-Imidazol-2-amine, 4,5-dihydro-N-hydroxy-N-[3-(1-methylethyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

$$\bigvee_{N}^{H} \bigvee_{N}^{OH} \bigvee_{Pr-i}^{OH}$$

HC1

THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

DOCUMENT NUMBER:

AUTHOR (S):

CCESSION NUMBER: 2000:1384.09 CAPLUS COPYRIGHT 2002 ACS 2000:1384.09 CAPLUS 132:260196 rediction of distribution coefficients from Structure. Comparison of calculated and experimental data for various drugs ratulit-Kakoulidou, A.; Panderi, I.; Piperaki, S.; Coizmadia, F.; Darvas, F. Department of Pharmacy, University of Athens, Athens, 157 11, Greece European Journal of Drug Metabolism and Pharmacokinetics (1999), 24(3), 205-212 CODEN: EJPDD; ISSN: 0378-7966 Medecine et Hygiene CORPORATE SOURCE:

SOURCE:

Pharmacokinetics (1999), 24(3), 205-212
COODEN: EJOPD2; ISSN: 0378-7966

PUBLISHER: Medecine et Hygiene
DOCUMENT TYPE: Journal
LANGUAGE: English PrologD to predict distribution coeffs. (D)
at any pH and pairing ion conco. has been tested using exptl. logD values
for various drugs measured under std. conditions of buffers and ionic
strength. Clondine derivs. fluoroquinolones and .beta.-blockers were
included as particular pharmacol. classes within the testing data set.
Calcns. were performed using the three log? estn. options implemented in
the program. PrologD proved to be very efficient and can be of great
advantage in drug research. Prediction patterns and correlations between
exptl. and calcd. data indicate acceptable results for more than 80% of
the data. In addh. comparable studies using the different options
permitted suggestions for the more suitable log? estn. method in respect
of the particular classes of compds.

IT 63346-74-7
RL: BPR (Bological process); BSU (Biological study, unclassified); PRP
(Process); USES (Uses)
(comparison of calcd. and exptl. data for various drugs in prediction
of distribution coeffs. from structure)

RN 63346-74-7 CAPUS
CN 1H-Imidazol-2-amine, N-[2,6-bis(1-methylethyl)phenyl]-4,5-dihydro- (9CI)

REFERENCE COUNT:

THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT 16

L16 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2002 ACS ACCESSION NUMBER: 2000:142505 CAPLUS DOCUMENT NUMBER: 132:330332 TITLE: 132:330832
Three-dimensional molecular field analyses of octopaminergic agonists and antagonists for the locust neuronal octopamine receptor class 3 Kirashima, A.; Nagata, T.; Pan, C.; Kuwano, E.; Taniguchi, E.; Eto, M. Graduate School, Division of Bioresource and Bioenvironmental Sciences, Kyushu University, Fukuoka, Japan
Journal of Molecular Graphics & Modelling (2000), Volume Date 1999, 17(3/4), 198-206
CODEN: JMONFI; ISSN: 1093-3263
Elsevier Science Inc.
Journal

AUTHOR (S):

CORPORATE SOURCE:

SOURCE:

PUBLISHER:

DOCUMENT TYPE: Journal English LANGUAGE:

The quant. structure-activity relationship (QSAR) of a set of 70 octopaminergic agonists and 20 antagonists against octopamine receptor class 3 (OAR3) in locust nervous tissue was analyzed by mol. field anal. (HRA). HRA of these compds. evaluated effectively the energy between a probe and a mol. model at a series of points defined by a rectangular grid. Contour surfaces for the mol. fields are presented. These results provide useful information in the characterization and differentiation of octopaminergic receptor types and subtypes.

63346-74-7
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study) (three-dimensional mol. field analyses of octopaminergic agonists and antagonists for locust neuronal octopamine receptor class 3) 63346-74-7 CAPLUS
HI-InidazOl-2-amine, N-[2,6-bis(1-methylethyl)phenyl]-4,5-dihydro- (9CI) (CA INDEX NAME)

REFERENCE COUNT:

THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1997:669819 CAPLUS
DOCUMENT NUMBER: 127:274136

Neurotransmitter-receptors as targets for new insecticides
AUTHOR(S): Roeder, T., Degen, J., Dyczkowski, C.; Gewecke, M.
CORPORATE SOURCE: Zoologisches Insitut, Universitat Hamburg, Neurophysiologie, Hamburg, D-20166, Germany
New Strategies in Locust Control (1997), 219-223.
Editor(s): Krall, S.; Peveling, R.; Ba Diallo, D.
Birkheuser: Basel, Switz.
CODEN: 65EDAB

DOCUMENT TYPE: Concerned English
AB The locust neuronal octopamine receptor is believed to be an ideal target for highly specific insecticides. The authors characterized a no. of high affinity agonists of this receptor subtype. Using structure-activity relationships, the authors were able to optimize the structure of these compds. in terms of their affinities. A variety of these compds. show a high degree of specificity makes compds such as the phenylimhoximidazolidines ideal starting points for the development of new insecticies;
53346-74-7, No. 20
RL: BUU (Biological use, unclassified), PRP (Properties); BIOL (Biological study); USES (Uses)
(GA INDEX NAME)

10059456 Page 16 08/21/2002

LIGANSWER 7 OF 10 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER:
1995:303934 CAPLUS
COCUMENT NUMBER:
122:77274
TITLE:
Pharmacology of the octopamine receptor from locust central nervous tissue (OAR3)
AUTHOR(S):
CORPORATE SOURCE:
SOURCE:
COLEN: JUNION: Hamburg, Hamburg, D-20146, Germany South Colens and Pharmacology (1995), 114(1), 210-16
COLEN: BJFCBM; ISSN: 0007-1188
PUBLISHER:
Stockton
JOURNAL AB The present study characterized highly effective agonists from different classes of compds. for the neuronal octopamine receptor (OAR3) of the migratory locust (Losusca migratoria L.). Biogenic amines and phenyliminoimidazolidines (FIIs) were employed for the study of structure-activity relationships. The highest affinity PIIs were predominantly those with the substitutions at the positions 2 and 4 of the phenolic ring (e.g. NC 7, XI = 0.3 mA), NCG, XI = 0.3 mA). Substitutions at these positions always had pos. effectives on the affinity of the resp. agonists. Substitutions at the position 3, 5 and 6, however, always had neg. effects on the affinity. At the position one of the phenolic ring, heterocyclic substituents are preferred. Some FIIs had a more than 30 times higher affinity for OARs than for alpha.—adrenoceptors which are the vertebrate homologues of the insect octopamine receptors. The only non-FII with subnanomolar affinity was the aminooxaziline deriv. AC 6 (XI = 0.92 mM). A variety of substances with known insecticidal activity such as chlordimeform, demethylchlordimeform, amitraz or AC 6 had high affinity for the locust neuronal octopamine receptor.

IT 6346-74-7, NC 20
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study) (Structure-activity relationship of agonists for locust neuronal octopamine receptor:

RN 63346-74-7, CAPLUS
CN 1H-Imidazol-2-amine, N-[2,6-bis[1-methylethyl)phenyl]-4,5-dihydro- (9CI)

L16 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2002 ACS

L16 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1985:593431 CAPLUS
DOCUMENT NUMBER: 1091:93431
TITLE: Phenyliminoimidazolidines. Characterization of a class of potent agonists of octopamine-sensitive adenylate cyclase and their use in understanding the pharmacology of octopamine receptors

AUTHOR(S): Nathanson, James A.
CORPORATE SOURCE: Dep. Neurol., Harvard Med. Sch., Boston, MA, 02114, USA
SOURCE: NoPMA3; ISSN: 0026-895X
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Approx. 30 substituted phenyliminoimidazolidines (PII) were examd. for agonist and antagonist effects on the highly enriched and specific octopamine (0)-sensitive adenylate cyclase (AC) present in the firefly objective and some had vertebrate tissues. Several derivs. were extremely active and some had vertebrate tissues. Several derivs. were extremely active and some had potencies exceeding those of any previously described agonists of 0-sensitive AC. Stimulation by the potent PIIs was reversible, nonadditive to that caused by O, and could be antagonized by antagonists such as cyproheptadine, phentolamine, and propraelol. The inhibitory consts. agreed well with those for inhibiting O stimulation. Certain PII derivs. acted as partial agonists and some as antagonists of 0 stimulation. Structure-activity relationships revealed, among other things, that short-chain alkyl substitution in the 2- and 6-phe positions enhanced activity, as did further substitution of 4-halo, 4-Me, or 4-hydroxy substituents. 4-Amino or N-alkyl substitution decreased activity. Structurally related benzylimidazoline derivs. such as tolazoline and naphazoline were partial o agonists, generally less active than the PIIs. Comparison, in 3 invertebrate species, of the effects of the PIIs and 2 other chem. classes of 0 agonists demonstrated clearcut differences in species responsiveness. Other comparative studies revealed that the agonist activity of the potent PIIs was special for tissues than the PIIs. Comparison, in 3 invertebrate species, of the effects of the PI

63346-74-7
RL: BIOL (Biological study)
(octopamine-sensitive adenylate cyclase activation by, in light organ
of firefly, structure in relation to)
63346-74-7 CAPLUS
1H-Imidazol-2-amine, N-{2,6-bis(1-methylethyl)phenyl}-4,5-dihydro- (9CI)
(CA INDEX NAME)

L16 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER:
DOCUMENT NUMBER:
1977:447931 CAPLUS
87:47931
Structure-activity relations and problems related to
the mechanism of action of clonidine
ROUGE, Brunos Leclerc, Geractdy Wermuth,
Camille-Georgesy Miesch, Francoiss Schwartz, Jean
Fac. Pharm., Univ. Louis-Pasteur, Strasbourg, Fr.
J. Pharmacol. (1977), 8(1), 95-106
CODEN: JNPHAG
JOURNAL SOURCE:
DOCUMENT TYPE:

DOCUMENT TYPE: LANGUAGE: GI

$$\mathbb{R} = \mathbb{R}$$

All 26 clonidine analogs (I) studied showed peripheral
.alpha.-sympathomimetic activity, with IPS 56 (I; R = 2,3-dichloro)
[15327-44-3] having the greatest hypertensive effect in demedullated rats. The results correlated with Es (steric const.) and F (sum of the field effect of the substituents) of the Hansch equation (1971). No such correlation was obsd. for hypotensive activity in intact rats. Compds. which had hypotensive activity also had high. alpha.-sympathomimetic activity, local anesthetic activity (rabbit cornea), and similar lipophilicity. However, the results were not sufficient to conclude that .alpha.-adrenergic mechanisms are involved in the hypotensive effects of clonidine and its analogs.
63346-74-7 RALUS (Biological activity or effector, except adverse); BIOL (Biological study)
(hypotensive and .alpha.-sympathomimetic activity of)
63346-74-7 CAPLUS
IH-Imidazol-2-amine, N-[2,6-bis(1-methylethyl)phenyl)-4,5-dihydro- (9CI)
(CA INDEX NAME)

10059456 Page 17 08/21/2002

L16 ANSWER 10 OF 10
ACCESSION NUMBER:
DOCUMENT NUMBER:
1976:456532
COLINENT NUMBER:
25:56532
COLINENT NUMBER:
CORPORATE SOURCE:
SOURCE:
DOCUMENT TYPE:
LANGUAGE:
COPERATE SOURCE:
DOCUMENT TYPE:
LANGUAGE:
CAPLUS COPYRIGHT 2002 ACS
25:56532
COLINE and related analogues. Quantitative correlations
ROUGL Brunol Leclerc, Gerard: Wermuth, Camille G., Missch, Francois! Schwartz, Jean
Fac. Pharm., Univ. Louis Pasteur, Strasbourg, Fr.
CODEN: JMCMAR
JOURNAL
LANGUAGE:
COLINE AMCMAR
JOURNAL
LANGUAGE:
CAPLUS COPYRIGHT 2002 ACS
25:56532
COLINE AMCMAR
1976:456532
CAPLUS
25:56532
COLINE AMCMAR
1976:456532
COLINE AMCMAR
JOURNAL
LANGUAGE:
CAPLUS COPYRIGHT 2002 ACS
25:56532
COLINE AMCMAR
1976:456532
CAPLUS
25:56532
CAPLUS
25:5653

DOCUMENT TYPE: LANGUAGE: GI

A series of 22 derivs. of clonidine-HCl (1) [4205-91-8] were prepd. by the cyclization reaction of ethylenediamine with an S-methylisothiouronium salt deriv. and the main physicochem. parameters [log P. .DELTA.PM. pKa] detd. Quant. correlations between peripheral alpha.—mimetic action (pithed cats) and physicochem. parameters pointed out the crit. role of the steric effect of ortho substituents. Attempted quant. correlations between physicochem. parameters and central hypotensive activity were unsuccessful. The mechanism of action of I is discussed.

59465-43-99
RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. and blood pressure response to)
59465-43-9 CAPLUS
Benzenamine, N-2-imidazolidinylidene-2,6-bis(1-methylethyl)-, monohydrochloride (9CI) (CA INDEX NAME) AB

(Continued) L16 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2002 ACS

10059456 Page 18 08/21/2002

=> FIL STNGUIDE COST IN U.S. DOLLARS FULL ESTIMATED COST	SINCE FILE ENTRY 49.43	TOTAL SESSION 339.92
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-6.20	-7.44

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AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION. LAST RELOADED: Aug 16, 2002 (20020816/UP).

=> log y COST IN U.S. DOLLARS FULL ESTIMATED COST	SINCE FILE ENTRY 0.06	TOTAL SESSION 339.98
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) CA SUBSCRIBER PRICE	SINCE FILE ENTRY 0.00	TOTAL SESSION -7.44

STN INTERNATIONAL LOGOFF AT 12:32:51 ON 21 AUG 2002